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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

1

Attorney Docket Number

Complete if Known

Application Number	10/070,469
Filing Date	March 7, 2002
First Named Inventor	Saunders
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	215855

U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
ca	AA	4,554,554		Olesen et al.	11/19/1985	
ca	AB	5,124,711		Sorais et al.	6/23/1992	
ca	AC	5,255,005		Terret et al.	10/19/1993	
ca	AD	5,600,341		Thill et al.	2/4/1997	
ca	AE	5,606,332		Darden, IV et al.	2/25/1997	
ca	AF	5,635,945		McConnell et al.	6/3/1997	
ca	AG	5,896,113		O'Neill, Jr.	4/20/1999	
ca	AH	5,920,292		O'Neill, Jr.	7/6/1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No**
ca	AI	EP	0 715 369	A1	Indian Space Research Org.	6/5/1996		
ca	AJ	EP	0 767 508	A2	Nokia Mobile Photos Ltd.	4/9/1997		
ca	AK	WO	97/11507	A1	Qualcomm Incorporated	3/27/1997		
ca	AL	EP	0 932 220	A2	Matsushita Electric Inds. Co., Ltd.	7/28/1999		
ca	AM	WO	99/41803	A1	University of Surrey	8/19/1999		

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
ca	AN	Kilgus, "Multielement, Fractional Turn Helices," <i>IEEE Transactions on Antenna and Propagation</i> , AP-16, pp. 499-500 (July 1968)		
ca	AO	Kilgus, "Resonant Quadrifilar Helix," <i>IEEE Transactions on Antenna and Propagation</i> , AP-17, pp. 349-351 (May 1969)		
ca	AP	Kilgus, "Resonant Quadrifilar Helix Design," <i>The Microwave Journal</i> , pp. 49-53 (Dec. 1970)		
ca	AQ	Kilgus, "Shaped-Conical Radiation Pattern Performance of the Backfire Quadrifilar Helix," <i>IEEE Transactions on Antenna and Propagation</i> , pp. 391-397 (May 1975)		
ca	AQ	Egashira et al., "A Design of AM/FM Mobile Telephone Triband Antenna," <i>IEEE Transactions on Antennas and Propagation</i> , 42:4, pp. 538-540 (April 1994)		
ca	AR	Saunders et al., "Quadrifilar Helical Antenna (QHA) Characteristics of a Proposed Wire Antenna for an SPCN Handheld Terminal," Int'l Workshop of Mobile Communications, pp. 35-40 (Sept. 1996)		
ca	AS	Agius et al., "Antenna Design for the ICO Handheld Terminal," 10th Int'l Conf. on Antennas and Propagation, 436, pp. 1385-1389 (April 1997)		
ca	AT	Agius et al., "Intelligent Antennas for Mobile Handsets," 1st Surry Symp. on Intelligent Antenna Technology for Mobile Commn. (August 1997)		

Examiner Signature

Shih-Liao Chen

Date Considered

8/25/03

* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).